DVG-5102SP
VOIP

Description:

The DVG-5102SP Broadband Voice Adapter is the ideal Voice over IP (VoIP) terminal adapter delivering convergent voice services to the home networking environment The DVG-5102SP Intelligent Voice Provisioning Architecture offers seamless interoperability to many of the leading VoIP service providers giving users an excellent plug-and-play experience.

The DVG-5102SP features two phone ports for connection to existing analog phones and fax machines and Built-in FXO port for PSTN backup usage. Users can now make voice calls over the internet without difficulties. Its high performance voice DSP provides exceptional voice quality with adaptive jitter buffer and long G.168 echo tail.

A WAN Ethernet port connects the DVG-5102SP to the Internet via a broadband modem (cable, DSL), and a LAN Ethernet port is available to provide connectivity and router/firewall functionality for sharing the Internet connection with your computers. The DVG-5102SP supports prioritized voice traffic for optimum Quality of Service (QoS)

Specification:

Key Components / Performance	
CPU	MPS4200/170MHz/MIPS-32
DSP	LSI ZSP400/110MHz
SDRAM/ Flash	166MHz/ 8MB
Port Functions	
WAN	1. 1*10/100 BaseT ports 2. IEEE 802.3(10BASE-T) 3. IEEE 802.3u(100BASE-Tx) 4. IEEE 802.3x(Full-Duplex) 5. Support Full-Duplex operations
LAN	1. 1*10/100 BaseT ports 2. IEEE 802.3(10BASE-T) 3. IEEE 802.3u(100BASE-Tx) 4. IEEE 802.3x(Full-Duplex) 5. Support Full-Duplex operations
Phone Ports	1. 2*Phone ports FXS 2. 1*PSTN port Backup 3. Type of Circuit:Analog Circuit(FXS) 4. Connector Type:RJ11 connector

Downloaded from www.Manualslib.com manuals search engine

Software Features:

WAN:

- One 10/100Mbps auto-MDI/MDIX Ethernet port
- WAN type: Static IP, PPPoE, DHCP,MAC Clone
- BigPond
- VPN Pass Through
- QoS: IP Precedence, DiffServ,
- NAT Traversal: Outbound Proxy, STUN, UPnP,
- SIP and RTP Priority Queuing
- RTP Packet Summary: sent, received, loss packet count
- NTP: 3 Time Servers, Time Zone support
- DDNS: DynDns.ORG, Dlink,TZO
- MAC Address Clone
- Much richer ALG support
- VPN: L2TP, PPTP, IP-Sec
- Multiple public IP addresses
- SNMP: bulid standard
- RJ-45 Connector

LAN:

- One 10/100Mbps auto-MDI/MDIX Ethernet port
- Router / Bridge mode
- NAT / PAT (RFC1631 / RFC3235)
- Virtual Server, DMZ
- DHCP Server (RFC 2131 / RFC2132)
- Security: MAC Filter, IP Filter, Port Filter

Management:

- LEDs: Power, Provision, WAN, LAN, Phone*2
- Web-based
- Telnet
- Password controlled administration
- Multilevel password protection
- Remote firmware upgrade via HTTP, TFTP, FTP
- Auto Provisioning:
- Web Browser Administration and Configuration via Integral Web Server Telephone Key Pad
- Configuration with Interactive Voice Prompts, Automated Provisioning & Upgrade Via HTTPS, HTTP, TFTP
- Asynchronous Notification of Upgrade Availability via NOTIFY, Non-Intrusive, In-Service Upgrade, Repo
- Generation and Event Logging, syslog and Debug Server Records, Line and Purpose Configurable Syslog and Debug Options
- IVR
- Built in PING tool
- Multi-function reset button: reset, restore default
- TR-069 (include TR-104) (Optional)

Downloaded from www.Manualslib.com manuals search engine

Voice

- SIPv2 (RFC3261) compliance
- SIP METHOD: ACK, BYE, CANCEL, INFO, INVITE, NOTIFY, OPTIONS,PING, PRACK, REFER, REGISTER, SUBSCRIBE, UPDATE
- SIP Extension: Session Timer, Proxy-Require, P-Asserted (RFC3325), MWI (RFC3842)
- Voice Compression: G.711 a/u-law, G.726, G.729A/AB,G.723.1
- CNG and VAD
- Silence suppression & detection
- G.168 Echo Cancellation
- Adaptive jitter buffer
- Programmable gain control
- In-band DTMF
- Out-of-band DTMF relay: RFC2833
- DTMF
- Termination Impedance: 600/900 ohm complex Impedance
- Failover SIP Proxy server registrations
- Failsafe mechanism (FXS relay to PSTN):

  Network failure
  Service unavailable
  Power loss
  T.30 FAX pass through, T.38 real time FAX relay
  Caller ID: DTMF, FSK-Bell core, FSK-ETSI detection and generation, Japan CLIP/JCLIP,
  BT marked with red would be on 2nd stage.
  Polarity reversal generation (FXS) – marked with red would be on 2nd stage.
  Pound Key support
  Hunting number support
  Telephone book
  E.164 numbering
  Hot line

Call features:

- Call Hold, Call Waiting, Call Pickup
- Call Forward - Unconditional, Busy, No Answer
- Call Transfer - Unattended, Attended
- Speed Dialing, Repeat Call On Busy, Three Way Conference Call

AboCom WIRELESS MOBILITY
Head Office: 1F, No.21, Yanfa 2nd RD., SBIP, Hsin-Chu 300, Taiwan (R.O.C.) **Tel:** 886-3-578-9090 **Fax:** 886-3-578-9520
Factory: No.77, Youyi Rd., Jhunan Township, Miaoli County 350, Taiwan, (R.O.C.) **Tel:** 886-37-580-777 **Fax:** 886-37-580-799
Taipei Office: 3F, No.188, sec. 2, Jhongsing Rd., Sindian City, Taipei County 231, Taiwan, R.O.C. **Tel:** 886-2-8665-0457 **Fax:** 886-2-8665-0877

Downloaded from www.Manualslib.com manuals search engine